**IT Applications Unit 3, AOS 1, Online Communities**

Complete the following, from Chapter 2, Problem-solving Methodology, pgs, 60-80

**Evaluation Criteria and prototype websites, p 76**

**Identifying evaluation criteria**, p 76

1. What is the purpose of evaluating the solution?

The purpose of evaluating a solution is so you can see if it has fulfilled the requirements that were identified in the analysis stage.

In identifying evaluation criteria efficiency and effectiveness can be used as a scaffold.

1. Give an example of a measure in terms of efficiency and effectiveness.

Efficiency can be measured in terms of cost, time, speed and effort. Effectiveness can be measured by the design and how easy it is to navigate around the website.

**Developing a prototype website, p 76**

1. What is a prototype website?

A prototype website is a model or simulation of a website that demonstrates its functionality, partial navigation options and interface.

1 **Using validation**

1. How does validation occur?

Validation occurs by checking data accuracy and completeness. It can be done manually or electronically.

2 **Manipulation to build a solution**

1. List tasks involved with manipulation.

* Image compression
* Copying data
* Meta tags
* Creating navigation structures
* Inserting links
* Designing forms for data generating

**Testing the prototype solution**, p 78

List the testing undertaken for:

* Function
  + List some tests for functionality.
    - Our webpages load up
    - The navigation design works
    - The Cascading Style Sheet for the website is accessed by every page in the website
    - Both relative and absolute links within the website work properly
    - Alt tags appear when images are turned off in the browser
    - The website can be viewed in different sizes
    - Images or embedded media objects load up properly
  + What is the difference between an absolute and a relative link?

Absolute links use the exact web address to access the page and relative links access a webpage in relation to where the link is placed.

* Appearance
  + List some tests for appearance
    - Acceptable formats and conventions have been applied throughout the website
    - The appearance of the prototype website needs to meet the gender, special and cultural needs of the users
    - The message of the website is not compromised by a change in screen size
    - You can easily identify the organisation on every webpage
    - At the bottom of each page there is a cleat identification of who created it and when it was last edited
    - The navigation bar and the way ‘home’ is easily identified on every webpage